

### What Is Claimed Is

1. A unilayer flexible textile performance fabric comprising a base fabric having a design of a pattern formed therein by a step of selectively manipulating into said fabric at least one dissimilar high performance fiber into said base fabric wherein said step of manipulating is computer controlled.
2. The textile fabric of claim 1 wherein said base fabric is formed of fibers having a tensile modulus of elasticity of  $3,000 \text{ kg/mm}^2$  or less.
3. The textile fabric of claim 1 wherein said high performance fiber has a tensile modulus of elasticity of  $5,000 \text{ kg/mm}^2$  or more.
4. The textile fabric of claim 2 wherein said fibers are selected from natural and synthetic fibers.
5. The textile fabric of claim 4 wherein said natural fibers are selected from cotton or wool.
6. The textile fabric of claim 2 wherein said synthetic fibers are selected from the group consisting of rayon fibers, aliphatic polyamide fibers, polyacrylic fibers, polyester fibers, water-insoluble modified polyvinyl alcohol fibers, and mixtures thereof.
7. The textile fabric of claim 3 wherein said high performance fiber is selected from organic polymer and inorganic fibers.
8. The textile fabric of claim 7 wherein said high performance inorganic fiber is selected from the group consisting of S-glass fibers, E-glass fibers, steel filaments, carbon fibers, boron fibers, aluminum fibers, zirconin-silica fibers, aluminum-silica fibers and mixtures thereof.

9. The textile of claim 7 wherein said organic polymer fiber is selected from the group consisting of aramid fiber, liquid crystal copolyester fiber, nylon fiber, polyacrylonitrile fiber, polyester fibers, polybenzimidazole fibers, high molecular weight polyvinylalcohol fiber, ultra high molecular weight polyolefin fibers and mixtures thereof.
10. The textile fabric of claim 1 comprising a cotton glove having at least one island of a unilayer synthetic or organic fibers.
11. A single layer protective fabric comprising a base fabric formed by chain-stitching a first fiber, said base fabric having a design of a pattern formed therein by the step of manipulating into said base fabric at least one dissimilar high performance fiber, wherein said step of manipulating is controlled by an output signed a programmed microprocessor so as to form at least one island of a high performance fiber.
12. A method of manufacturing a unilayer flexible performance fabric comprising the steps of:
  - (a) manipulating a first fiber to form a base textile fabric in a single layer; and
  - (b) manipulating at least one dissimilar performance fiber into said base fabric to form a single layer, wherein the step of manipulating is computer controlled to produce a predetermined design for pattern to form a performance fabric having enhanced performance functions.
13. The method according to claim 12 wherein the step of manipulating in step (a) comprises sewing the fibers in a chain stitch manner.
14. The method according to claim 12 where the step of manipulating in step (b) comprises knitting the performance fiber into the base fabric.

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different demographic or attitudinal variable. The y-axis for all charts is 'Percentage of Respondents' ranging from 0 to 100. The x-axis for each chart lists the categories for that variable. The data is as follows:

- (a) Age and High School:**

Age Group	High School	Percentage
18-24	Yes	100
25-34	Yes	100
35-44	Yes	100
45-54	Yes	100
55-64	Yes	100
65+	Yes	100
- (b) Sex:**

Sex	Percentage
Male	50
Female	50
- (c) Income:**

Income Level	Percentage
Low	10
Medium	40
High	50
- (d) Education:**

Education Level	Percentage
High School	10
College	40
Postgraduate	50
- (e) Marital Status:**

Marital Status	Percentage
Single	10
Married	40
Divorced	50
- (f) Religion:**

Religion	Percentage
Christian	10
Muslim	40
Jewish	50
- (g) Political Party:**

Political Party	Percentage
Democrat	10
Republican	40
Other	50
- (h) Country of Birth:**

Country of Birth	Percentage
USA	10
Canada	40
Other	50
- (i) Country of Residence:**

Country of Residence	Percentage
USA	10
Canada	40
Other	50
- (j) Country of Birth and Residence:**

Country of Birth and Residence	Percentage
USA	10
Canada	40
Other	50
- (k) Country of Birth and Residence:**

Country of Birth and Residence	Percentage
USA	10
Canada	40
Other	50
- (l) Country of Birth and Residence:**

Country of Birth and Residence	Percentage
USA	10
Canada	40
Other	50

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different demographic or attitudinal variable. The y-axis for all charts is 'Percentage of Respondents' ranging from 0 to 100. The x-axis for each chart lists the categories for that variable. The data is as follows:

- (a) Age and High School:**

Age	High School	Percentage
18-24	High School	100
25-34	High School	100
35-44	High School	100
45-54	High School	100
55-64	High School	100
65+	High School	100
- (b) Sex:**

Sex	Percentage
Male	100
Female	100
- (c) Income:**

Income	Percentage
\$0-\$10,000	100
\$10,000-\$20,000	100
\$20,000-\$30,000	100
\$30,000-\$40,000	100
\$40,000-\$50,000	100
\$50,000-\$60,000	100
\$60,000-\$70,000	100
\$70,000-\$80,000	100
\$80,000-\$90,000	100
\$90,000-\$100,000	100
\$100,000+	100
- (d) Education:**

Education	Percentage
High School	100
College	100
Postgraduate	100
- (e) Marital Status:**

Marital Status	Percentage
Married	100
Single	100
Divorced	100
Widowed	100
- (f) Religion:**

Religion	Percentage
Protestant	100
Catholic	100
Jewish	100
Muslim	100
Hindu	100
Buddhist	100
Sikh	100
Other	100
- (g) Political Party:**

Political Party	Percentage
Democrat	100
Republican	100
Liberal	100
Conservative	100
Other	100
- (h) Country of Birth:**

Country of Birth	Percentage
USA	100
Canada	100
UK	100
France	100
Germany	100
Italy	100
Spain	100
Other	100
- (i) Country of Residence:**

Country of Residence	Percentage
USA	100
Canada	100
UK	100
France	100
Germany	100
Italy	100
Spain	100
Other	100
- (j) Country of Birth and Residence:**

Country of Birth	Country of Residence	Percentage
USA	USA	100
USA	Canada	100
USA	UK	100
USA	France	100
USA	Germany	100
USA	Italy	100
USA	Spain	100
USA	Other	100
Canada	USA	100
Canada	Canada	100
Canada	UK	100
Canada	France	100
Canada	Germany	100
Canada	Italy	100
Canada	Spain	100
Canada	Other	100
UK	USA	100
UK	Canada	100
UK	UK	100
UK	France	100
UK	Germany	100
UK	Italy	100
UK	Spain	100
UK	Other	100
France	USA	100
France	Canada	100
France	UK	100
France	France	100
France	Germany	100
France	Italy	100
France	Spain	100
France	Other	100
Germany	USA	100
Germany	Canada	100
Germany	UK	100
Germany	France	100
Germany	Germany	100
Germany	Italy	100
Germany	Spain	100
Germany	Other	100
Italy	USA	100
Italy	Canada	100
Italy	UK	100
Italy	France	100
Italy	Germany	100
Italy	Italy	100
Italy	Spain	100
Italy	Other	100
Spain	USA	100
Spain	Canada	100
Spain	UK	100
Spain	France	100
Spain	Germany	100
Spain	Italy	100
Spain	Spain	100
Spain	Other	100
Other	USA	100
Other	Canada	100
Other	UK	100
Other	France	100
Other	Germany	100
Other	Italy	100
Other	Spain	100
Other	Other	100
- (k) Country of Birth and Residence:**

Country of Birth	Country of Residence	Percentage
USA	USA	100
USA	Canada	100
USA	UK	100
USA	France	100
USA	Germany	100
USA	Italy	100
USA	Spain	100
USA	Other	100
Canada	USA	100
Canada	Canada	100
Canada	UK	100
Canada	France	100
Canada	Germany	100
Canada	Italy	100
Canada	Spain	100
Canada	Other	100
UK	USA	100
UK	Canada	100
UK	UK	100
UK	France	100
UK	Germany	100
UK	Italy	1